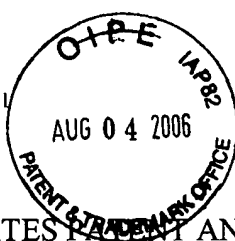


KBR:iar 08/01/06 3382-66124-01 MS 300281.01




PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Thumpudi et al.

Application No. 10/622,822

Filed: July 18, 2003

Confirmation No. 3034

For: CONSTANT BITRATE MEDIA
ENCODING TECHNIQUES

Examiner: Not yet assigned

Art Unit: 2641


Attorney Reference No. 3382-66124-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

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PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

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Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

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The filing of this IDS shall not be construed to be an admission that the information cited
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Respectfully submitted,

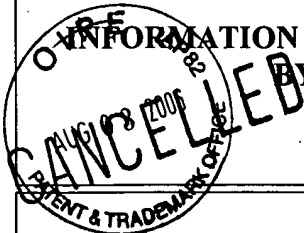
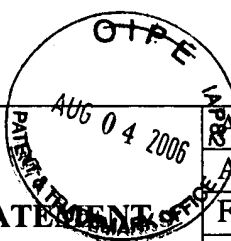
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Docketing



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number	3382-66124-01
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First Named Inventor	Thumpudi
Art Unit	2641
Examiner Name	

U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		4,454,546	6.12.1984	Esteban et al.
		4,493,091	1.8.1985	Gundry
		5,043,919	8.27.1991	Callaway et al.
		5,266,941	11.30.1993	Akeley et al.
		5,394,170	2.28.1995	Akeley et al.
		5,400,371	3.21.1995	Natarajan
		5,754,974	5.19.1998	Griffin et al.
		5,802,213	9.1.1998	Gardos
		5,884,039	3.16.1999	Ludwig et al.
		5,886,276	3.23.1999	Levine et al.
		5,952,943	9.14.1999	Walsh et al.
		5,982,305	11.9.1999	Taylor
		6,002,439	11.30.1999	Naveen et al.
		6,049,630	4.11.2000	Wang et al.
		6,072,831	6.6.2000	Chen
		6,088,392	7.11.2000	Rosenberg
		6,226,407	5.1.2001	Zabih et al.

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		6,351,226	2.26.2002	Saunders et al.
		6,421,738	7.16.2002	Ratan et al.
		6,501,798	12.31.2002	Sivan
		6,573,915	6.3.2003	Sivan et al.
		6,876,703	4.5.2005	Ismaeil et al.
		6,934,677	8.23.2005	Chen et al.

U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication/Filing Date	Name of Applicant or Patentee
		2002/0154693	10.24.2002	Demos
		2003/0115041	6.19.2003	Chen
		2003/0115051	6.19.2003	Chen
		2003/0115052	6.19.2003	Chen
		2005/0135484	6.23.2005	Lee

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date

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		Baron et al, "Coding the Audio Signal," <i>Digital Image and Audio Communications</i> , pp. 101-128 (1998).
		Beerends, "Audio Quality Determination Based on Perceptual Measurement Techniques," <i>Applications of Digital Signal Processing to Audio and Acoustics</i> , Chapter 1, Ed. Mark Kahrs, Karlheinz Brandenburg, Kluwer Acad. Publ., pp. 1-38 (1998).
		De Luca, "AN1090 Application Note: STA013 MPEG 2.5 Layer III Source Decoder," <i>STMicroelectronics</i> , 17 pp. (1999).
		de Queiroz et al., "Time-Varying Lapped Transforms and Wavelet Packets," <i>IEEE Transactions on Signal Processing</i> , Vol. 41, pp. 3293-3305 (1993).
		"DivX Multi Standard Video Encoder," 2 pp. (Downloaded from the World Wide Web on January 24, 2006).
		Gibson et al., <i>Digital Compression for Multimedia</i> , Chapter 11.6.2-11.6.4, "More MPEG," Morgan Kaufman Publishers, Inc., pp. 415-416 (1998).
		Gill et al., "Creating High-Quality Content with Microsoft Windows Media Encoder 7," 4 pp. (2000). [Downloaded from the World Wide Web on May 1, 2002.]
		Herley et al., "Tilings of the Time-Frequency Plane: Construction of Arbitrary Orthogonal Bases and Fast Tiling Algorithms," <i>IEEE Transactions on Signal Processing</i> , Vol. 41, No. 12, pp. 3341-3359 (1993).
		ISO/IEC, "Information Technology - Coding of Audio-Visual Objects: Visual, ISO/IEC 14496-2, Committee Draft," 330 pp. (1998).
		ISO/IEC, "ISO/IEC 11172-2: Information Technology - Coding of Moving Pictures and Associated Audio for Storage Media at up to About 1.5 Mbit/s," 122 pp. (1993).
		ITU-T, "ITU-T Recommendation H.261: Video Codec for Audiovisual Services at $p \times 64$ kbits," 28 pp. (1993).
		ITU-T, "ITU-T Recommendation H.262: Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Video," 218 pp. (1995).
		ITU-T, "ITU-T Recommendation H.263: Video Coding for Low Bit Rate Communication," 167 pp. (1998).
		ITU, Recommendation ITU-R BS 1387, Method for Objective Measurements of Perceived Audio Quality, 89 pp. (1998).
		Joint Video Team of ISO/IEC MPEG and ITU-T VCEG, "Committee Draft of Joint Video Specification (ITU-T Recommendation H.264, ISO/IEC 14496-10 AVC," 142 pp. (August 2002).

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		Kondo, <u>Digital Speech: Coding for Low Bit Rate Communications Systems</u> , "Chapter 3.3: Linear Predictive Modeling of Speech Signals," and "Chapter 4: LPC Parameter Quantisation Using LSFs," John Wiley & Sons, pp. 42-53 and 79-97 (1994).
		Mook, "Next-Gen Windows Media Player Leaks to the Web," <i>BetaNews</i> , 17 pp. (July 19, 2002) [Downloaded from the World Wide Web on August 8, 2003].
		OPTICOM GmbH, "Objective Perceptual Measurement," 14 pp. [Downloaded from the World Wide Web on Oct. 24, 2001].
		Phamdo, "Speech Compression," 13 pp. [Downloaded from the World Wide Web on Nov. 25, 2001].
		Schuster et al., "A Theory for the Optimal Bit Allocation Between Displacement Vector Field and Displaced Frame Difference," <i>IEEE J. on Selected Areas in Comm.</i> , Vol. 15, No. 9, pp. 1739-1751 (Dec. 1997).
		Sullivan et al., "Rate-Distortion Optimization for Video Compression," <i>IEEE Signal Processing Magazine</i> , pp. 74-90 (Nov. 1998).
		Sullivan et al., "The H.264/AVC Advanced Video Coding Standard: Overview and Introduction to the Fidelity Range Extensions," 21 pp. (August 2004).
		Tao et al., "Adaptive Model-driven Bit Allocation for MPEG Video Coding," <i>IEEE Transactions on Circuits and Systems for Video Tech.</i> , Vol. 10, No. 1, pp. 147-157 (Feb. 2000).
		Tsang et al., "Fuzzy based rate control for real-time MPEG video," 12 pp.
		Yang et al., "Rate Control for Videophone Using Local Perceptual Cues," <i>IEEE Transactions on Circuits and Systems for Video Tech.</i> , Vol. 15, No. 4, pp. 496-507 (April 2005).

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